

ABSTRACT OF DISCLOSURE

A color signal processing device and method thereof include a conversion unit converting an input image signal into an RGB color signal, a change rate calculation unit calculating change rates of the RGB color signal when the RGB color signal changes with respect to change rates of a color difference signal on boundaries of a color space of the RGB color signal, and a color gamut decision unit determining a displayable scope of color chroma based on the change rates of the RGB color signal with respect to the change rates of the color difference signal and when the detected RGB color signal exists on the boundaries of the color space of the RGB color signal.